

CLAIMS

1. An image transmission system for a mobile robot, comprising:
a camera for capturing an image as an image signal;
5 a microphone for capturing sound as a sound signal;
human detecting means for detecting a human from the captured image and/or
sound;
a power drive unit for moving the robot toward the detected human;
an image cut out means for cutting out an image of the detected human
10 according to information from the camera; and
image transmitting means for transmitting the cut out human image to an
external terminal.
2. An image transmission system according to claim 1, wherein the system is
15 adapted to detect a moving object from the image signal obtained from the camera, and
determine that the object is a human from color information of the moving object.
3. An image transmission system according to claim 1, wherein the system is
adapted to determine a direction of a sound source from the sound signal obtained from
20 the microphone.
4. An image transmission system according to claim 1, further comprising means
for monitoring state variables including a current position of the robot; the image
transmitting means transmitting the monitored state variables in addition to the cut out
25 human image.

5. An image transmission system according to claim 1, wherein the system is adapted to have the robot direct the camera toward the position of the detected human.

5 6. An image transmission system according to claim 1, wherein the system further comprises means for measuring a distance to the detected human according to the information from the camera, and providing a target of a movement to said mobile robot.